



A.D. 1852 N^o 204.

S P E C I F I C A T I O N

OF

BENDIX ISING JACOBY.

FIXING ARTIFICIAL TEETH.

L O N D O N :

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,

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1854.



A.D. 1852 N° 204.

Fixing Artificial Teeth.

LETTERS PATENT to Bendix Ising Jacoby, of Hamburg, Dentist,
for the Invention of “**IMPROVEMENTS IN THE MEANS OF FIXING ARTI-
FICIAL TEETH.**”

Sealed the 17th January 1853, and dated the 4th October 1852.

PROVISIONAL SPECIFICATION left by the said Bendix Ising Jacoby
at the Office of the Commissioners of Patents, with his Petition, on
the 4th October 1852.

I, BENDIX ISING JACOBY, do hereby declare the nature of the said
5 Invention for “**IMPROVEMENTS IN THE MEANS OF FIXING ARTIFICIAL TEETH**”
to be as follows:—

It consists of an improved mode of fixing artificial teeth by means
of a false palate or plate fitted to the roof of the mouth with one or
more air chambers, so that by adhesion & air pressure it is kept in its
10 place, to which plate the false teeth are attached, so arranged as to fit
in at the required spaces without the necessity of any ligature, pins, or
springs. An impression of the mouth is taken as far as the region of
the soft palate, and the plate to be made must be carefully fitted in.
The pressure of the air is obtained by one or more air chambers, the

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number, size, and depth of which must be left to the judgment of the dentist.

The sketch annexed to this description shows such a plate with one chamber only, as no two plates would be exactly similar as to form or the number of air chambers, which must accord with the size of a 5 person's jaw.

The plates or palates may be made of gold or platina, but whalebone or any suitable material may be used.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed by the said Bendix Ising Jacoby in the Great Seal Patent 10 Office, on the 2nd April 1853.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, BENDIX ISING JACOBY, of Hamburg, Dentist, send greeting.

WHEREAS Her present most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Fourth day of October, in the year 15 of our Lord One thousand eight hundred and fifty-two, in the sixteenth year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said Bendix Ising Jacoby, Her special licence that I, the said Bendix Ising Jacoby, my executors, administrators, and assigns, or such others as I, the said Bendix Ising Jacoby, 20 my executors, administrators, and assigns, should at any time agree with, and no others, from time to time and at all times thereafter during the term therein expressed, should and lawfully might make, use, exercise, and vend, within the United Kingdom of Great Britain and Ireland, the Channel Islands, and Isle of Man, an Invention for 25 "IMPROVEMENTS IN FIXING ARTIFICIAL TEETH," upon the condition (amongst others) that I, the said Bendix Ising Jacoby, by an instrument in writing under my hand and seal, should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be performed, and cause the same to be filed 30 in the Great Seal Patent Office within six calendar months next and immediately after the date of the said Letters Patent.

NOW KNOW YE, that I, the said Bendix Ising Jacoby, do hereby

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declare the nature of the said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement thereof (that is to say):

The nature of my said Invention, which has already been generally
5 described in my Provisional Specification, bearing date the Fourth day of October, One thousand eight hundred and fifty-two, consists in the use and application to the mouth of a metal plate, to which are to be affixed artificial teeth. The plate is formed with one or more recesses or air chambers for the purpose of causing adhesion of said plate by the
10 wearer exhausting the air contained in such said chamber or chambers by suction as he places the plate in his mouth, the effect of which will be, that said plate will be forcibly pressed upwards by reason of the pressure of the air on the outer and under surface only of said plate consequent upon the partial vacuum produce in the chamber or cham-
15 bers in the manner above stated. And the object and intention of my said Invention is to dispense with the use of the legatures, pins, rings, braces, and springs hitherto employed by mechanical dentists to retain artificial teeth in their proper position; and, further, by this Invention to promote a quick and plain pronunciation, and prevent the adhesion
20 of food round said air chamber or chambers during the process of mastication, and generally to facilitate the swallowing of food by making the plate of a sloping form. And in order to explain my said Invention more completely I will now proceed to describe more minutely in this my Complete Specification the details necessary for
25 carrying my said Invention into practical effect, and also the best means I am acquainted with for that purpose, reference being had to the illustrative Drawing hereunto annexed, and to the numeral figures and letters of reference marked thereon, as follows:—

DESCRIPTION OF THE DRAWING.

30 Figure 1, exhibits a plan view of that part of the before-mentioned plate which is intended to be in contact with the roof of the mouth. Figure 2, is a side elevation of said plate with teeth affixed thereto. *a, a*, marks the metal plate; *b*, a chamber or recess formed therein; *c, c*, artificial teeth. To construct this plate the operator first takes an

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impression or cast of the form of the mouth to be fitted as far as the region of the soft palate, and, making the metal plate of corresponding shape to said cast, fits the plate into the mouth, first preparing the mouth and putting it in a sound state to receive the same. And I would remark, that the metal of which the plate is formed should not 5 be too elastic, and the edges thereof should also be strengthened by making them thicker than the other part of the plate to prevent such part cutting the mouth, and those parts of the plate which press too hard upon the mouth may be filed down or otherwise removed to give ease at such parts. These plates may be formed of gold or platinum, 10 and in some instances whalebone or other similar material may be employed; in either case I propose to attach and connect the artificial teeth to the plate by rivetting thereto the pin to which the tooth is affixed, holes being drilled or punched in said plate for the purpose of such connection. I would further remark, that it will be found desi- 15 rable in practice to make the said plate of such size as to enclose, as nearly as may be, the toothless portions of the jaw; and for such persons as possess a more than ordinary flow of saliva the plate should not be carried so near to the soft palate as for those persons whose pituitary glands are not so easily affected. And, further, the said plate, instead 20 of having only one recess or air chamber, may be formed with several chambers; this, however, as also the disposition of such said air chambers, will vary according to circumstances, and must be constructed according thereto, and the judgment of the dentist employed; and, further, instead of affixing artificial teeth to the plate *a*, before men- 25 tioned, natural teeth may be affixed thereto in the manner and by the means before stated, and artificial gums made of enamel or colored bone can also be made use of. The Drawing exhibits the plate *a*, as constructed to attach teeth thereto at certain parts marked *, *, those parts marked *z*, being intended to pass clear of and behind the teeth in 30 the gums of the mouth.

Having now described the nature of my said Invention, and in what manner the same is to be and may be performed, I claim the attaching of natural or artificial teeth to a plate by forming the same with one or more recesses or air chambers, so that when the air contained therein 35

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is exhausted the plate will be kept in forced contact with the mouth by atmospheric pressure, as herein-before particularly described, set forth, and represented by the Drawing hereunto annexed.

In witness whereof, I, the said Bendix Ising Jacoby, have here-
5 unto set my hand and seal, this Seventeenth day of March, in
the year of our Lord One thousand eight hundred and fifty-
three.

BENDIX ISING JACOBY. (L.S.)

Witness,

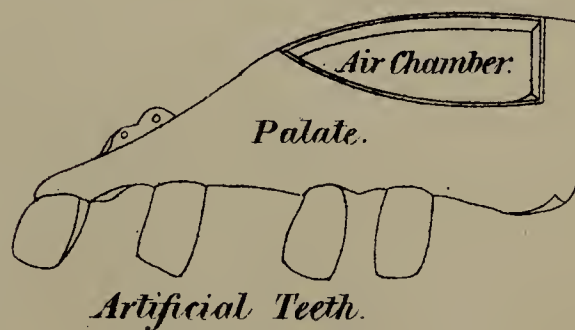
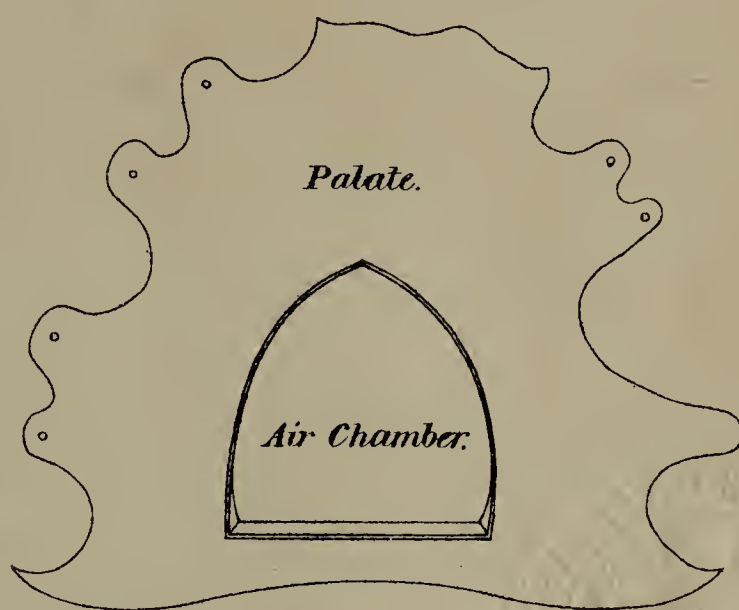
10 THOMAS P. BOYES,
Hamburg.

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1854.

A. D. 1852, OCTOBER 4. N^o 204

JACOBY'S PROVISIONAL SPECIFICATION.



The drawing left with the Provisional

Specification is colored.

G. Falkner, Lith. Manchester.

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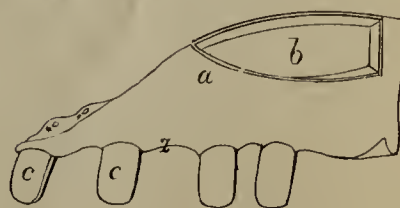
JACOBY'S SPECIFICATION

(1 SHEET)

FIG. 1.



FIG. 2.



The filed drawing is colored

